

# RF Distribution System Series: Amplifier

**Characteristics:** 8 Way Distribution Amplifier

**Model No.:** LB-58

## I. INTRODUCTION

LB-58 is a various function device which be designed for Europe. One application of LB-58 is used for Head End of Digital Broadcast.

It allows a digital broadcast distribution system to be installed in home applicaiton.

LB-58 combines Satellite, UHF TV, FM radio and DAB sources onto a single **TO Living Room** output for connection to a master wall plate. A CCTV security camera (with modulator) or similar UHF source can also be connected.

UHF signals through from the lounge equipment (e.g. a VCR and/or digital STB) are fed back to the LB-58 via **FROM Living Room** cable. In LB-58 which feed is combined with the VHF signals and amplified to provide eight additional outlets. All off-air and local CCTV and STB signals (except satellite) are available for connection to outlets in other rooms of the house.

The IR Singal can trough between any output of LB-58 and Living Room via STB Remote Control directly. It will help user to swith channel/program, or radio easily.

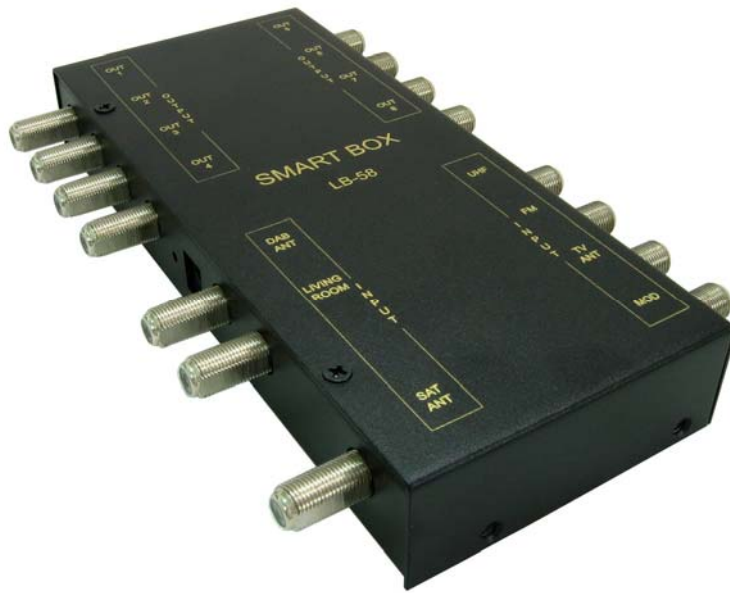
## II. FEATURES

- Inputs for LNB, FM, DAB-T, UHF TV Bands and STB.
- Auxiliary UHF input for CCTV etc.
- Support Dual Function of RF and base band in IR operation
- Support All European Broadcasting.

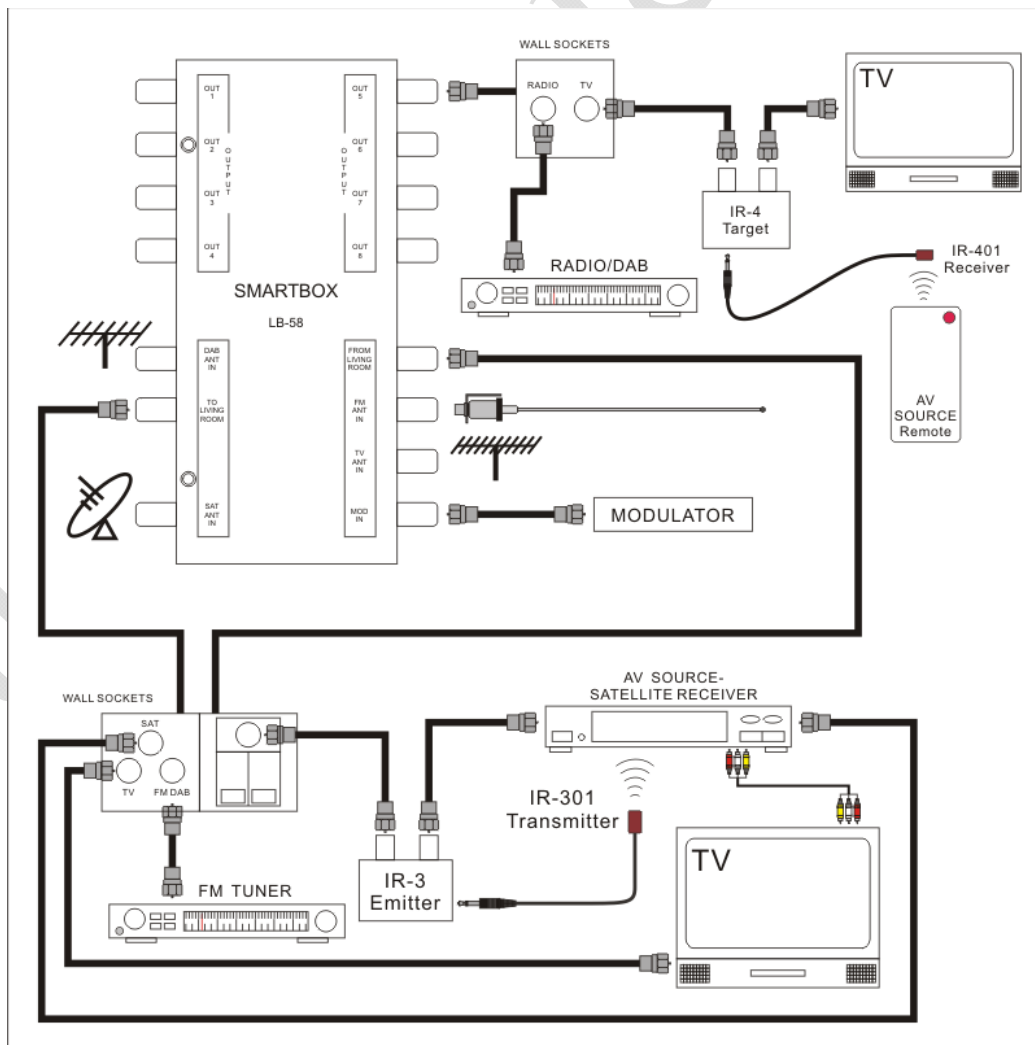
### III: Specification

| LB-58 Master 8way Distribution Amplifier for UK |   |              |              |              |              |
|---|---|--------------|--------------|--------------|--------------|
| Inputs  | FM In   | DAB Ant. In  | MOD In       | TV Ant. In   | SAT LNB In   |
| Operating frequency range                       | 88~108 MHz  | 174~230 MHz  | 470~860 MHz  | 470~860 MHz  | 950~2250 MHz |
| Gain to Living Room output                      | 5 dB $\pm$ 1  | 5 dB $\pm$ 1 | 5 dB $\pm$ 1 | 5 dB $\pm$ 1 | 5 dB $\pm$ 1 |
| Gain to distribution outputs 1~8                | 5 dB $\pm$ 1  | 5 dB $\pm$ 1 | 5 dB $\pm$ 1 | -            | -            |
| Rejection of LNB noise in UHF Band              | -   | -            | -            | -            | $\geq$ 40 dB |
| <b>TO Living Room path</b>                      |   |              |              |              |              |
| Operating frequency range                       | 470~860 MHz   |              |              |              |              |
| Gain to distribution outputs 1~8                | 5 dB Gain   |              |              |              |              |
| <b>RROM Living Room path</b>                    |   |              |              |              |              |
| RF return path frequency range                  | IR Pass   |              |              |              |              |
| RF return path gain                             | -12 dB Gain   |              |              |              |              |
| Infra-red control compatibility                 | All outputs are IR enabled (Suit for Oarsman IR-3 and Oarsman IR-4 systems) |              |              |              |              |
| <b>General</b>                                  |   |              |              |              |              |
| Connectors and Impedance                        | F-Type (female) 75ohm   |              |              |              |              |
| Power requirement                               | DC12V 1A Switching Power Supply   |              |              |              |              |
| Operating temperature range                     | -10~+40° C  |              |              |              |              |
| Dimensions                                      | 184(W) x 130(D) x 29(H) mm  |              |              |              |              |

## V. DRAWING



## V. INSTRUCTION



## VI. Guaranty

- OARSMAN comes with 1-year guaranty on OARSMAN products.
- OARSMAN guarantee to provide for repair and replacement without any charge during this period.
- OARSMAN reserves the right in its sole discretion to determine the defects received, and will take the responsibility if there is any defect or damages.

Notice: **OARSMAN is not responsible for following situation:**

- Damages caused by improper handling from clients, such as the shipping period or carrying processes.
- Damages caused by either natural disaster or human factors after receiving the products.
- Damage caused by self-repairs, and modifications or disassembling of OARSMAN products from clients without prior notice.

## VII. Warning

**TO AVOID THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE:**

- Do **Not** Expose This Apparatus to Water, Moisture, and Dripping; Plus, Avoid to Splashing, Placing objects which Filled with Liquids, Such as Vases
- Do **Not** Install or Place This Unit in a Bookcase, Built-in Cabinet or in Another Confined Space. Ensure The Unit Is Well Ventilated.
- Preventing Risk of Electric Shock or Fire Hazard, Due to Overheating
- Do **Not** Obstruct The Unit's Ventilation, Such as Newspapers, Tablecloths, Curtains, or Similar Items.
- Do **Not** Install Near any Heat Sources Such as Radiators, Heat Registers, Stoves, or Other Apparatus (Including Amplifiers) That Produce Heat.
- Do **Not** Place Sources of Naked Flames, Such as Lighted Candles on The Unit.
- Clean This Apparatus Only with Dry Cloth.
- Unplug This Apparatus During Lighting Storms or When Unused for Long Periods of Time.
- Protect The Power Cord from Being Walked On or Pinched Particularly at Plugs.
- Only Use Attachments / Accessories Specified by The Original Manufacturer

- Refer All Servicing to Qualified Service Personnel.
- Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Notice:

**OARSMAN ELECTRONICS CO., LTD Reserves The Right To Revise Specification, Adjust Product Function, and Any Accompanying Documentation without Written Notice in Advance.**

Oarsman Electronics